

**PATIENT ACTIVATED ADMINISTRATION OF DRUG BOLUS FROM
IMPLANTABLE DRUG DELIVERY SYSTEM**

ABSTRACT

Systems and methods are described for reducing the risk of overdosage from a patient activated implantable drug delivery system. In one embodiment, an implantable drug delivery system is configured to deliver a drug. An external activation unit is operable by a user to request activation of the implantable drug delivery system. The activation unit includes a controller to reject a request to activate the implantable drug delivery system prior to expiration of a lockout interval. The controller issues an activation signal to the implantable drug delivery system in response to a request received after expiration of the lockout interval. The controller restarts the lockout interval upon activating the drug delivery system.